

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 Claim 1 (currently amended): A method of providing a communications service in a
2 system including a calling party, a first receiving party having a first computer and a
3 first telephone device; and a second receiving party having a second computer and a
4 second telephone device, the method comprising:
5 setting a hook flash mid-call trigger on a telephone line at a telephone
6 switch, said telephone line being coupled to said first telephone device and being a
7 telephone over which said calling party can communicate with said first receiving
8 party;
9 detecting, using said hook flash mid-call trigger, a hook flash;
10 in response to detecting a hook flash,
11 transmitting call related data, at least some of which
12 was previously provided to the first computer, to the second
13 computer; and
14 establishing a voice connection between the calling
15 party and the second telephone device.

1 Claim 2 (currently amended): The method of claim 1, A method of providing a
2 communications service in a system including a calling party, a first receiving party
3 having a first computer and a first telephone device; and a second receiving party
4 having a second computer and a second telephone device, the method comprising:
5 detecting a hook flash, wherein said step of detecting a hook flash
6 including includes detecting activation of an AIN hook flash mid call trigger at a
7 telephone switch; and
8 in response to detecting a hook flash,
9 transmitting call related data wherein the call related
10 data includes including sales information, at least some of
11 which was previously provided to the first computer, to the
12 second computer; and

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13 establishing a voice connection between the calling party and the
14 second telephone device.

1 Claim 3 (currently amended): The method of claim 1, wherein the step of detecting a
2 hook flash includes:
3 operating the a telephone switch to couple the calling party to the first
4 telephone device by a said telephone line to monitor the telephone line for a hook
5 flash.

1 Claim 4 (currently amended): The method of claim 3, further comprising operating
2 the telephone switch to send a signal to a service control point in response to
3 activation of said hook flash mid call trigger the step of setting a hook flash mid-call
4 trigger on said telephone line at the telephone switch prior to performing the step of
5 detecting a hook flash.

1 Claim 5 (currently amended): The method of claim 3, A method of providing a
2 communications service in a system including a calling party, a first receiving party
3 having a first computer and a first telephone device; and a second receiving party
4 having a second computer and a second telephone device, the method comprising:
5 operating a telephone switch coupling the calling party to the
6 first telephone device by a telephone line to monitor the telephone line for a hook
7 flash;

8 detecting a hook flash;
9 in response to detecting a hook flash,
10 transmitting call related data, at least some of which
11 was previously provided to the first computer, to the second
12 computer; and
13 establishing a voice connection between the calling party and the
14 second telephone device; and

15 wherein the step of transmitting call related data to the second
16 computer includes:

17 i) operating the telephone switch in response to activation of a mid-call
18 trigger to send a message to a service control point;
19 ii) operating the service control point to send a message to a server;
20 and
21 iv) operating the server to transmit said call related data to the second
22 computer.

1 Claim 6 (previously presented): A method of providing a communications service in
2 a system including a calling party, a first receiving party having a first computer and a
3 first telephone device; and a second receiving party having a second computer and a
4 second telephone device, the method comprising:

5 detecting a hook flash, the step of detecting a hook flash including
6 operating a telephone switch coupling the calling party to the first telephone device
7 by a telephone line to monitor the telephone line for a hook flash;

8 in response to detecting a hook flash,

9 a) transmitting call related data, at least some of which was
10 previously provided to the first computer, to the second
11 computer; and
12 b) establishing a voice connection between the calling party

13 and the second telephone device;

14 wherein the step of transmitting call related data to the second computer

15 includes:

16 i) operating the telephone switch in response to activation of a mid-call
17 trigger to send a message to a service control point;
18 ii) operating the service control point to send a message to a server;
19 and

20 iii) operating the server to transmit said call related data to the second
21 computer; and
22 wherein the telephone switch sends a telephone number received from the
23 first receiving party with the message sent to the service control point, the method
24 further comprising:
25 operating the service control point to determine the status of the
26 telephone line identified by the telephone number.

1 Claim 7 (original): The method of claim 6, wherein the step of operating the service
2 control point to determine the status of the telephone line includes:

3 operating the service control point to transmit a monitor for change
4 message to the telephone switch; and

5 receiving from the telephone switch a message indicating the status of
6 the telephone line identified by said telephone number.

1 Claim 8 (original): The method of claim 6, wherein the step of establishing a voice
2 connection between the calling party and the second telephone device includes:

3 operating the service control point to instruct the telephone switch to
4 establish a telephone call between the first receiving party and the party identified by
5 said telephone number;

6 operating the telephone switch to detect an additional hook flash; and
7 in response to detecting the additional hook flash, operating the
8 telephone switch to add the calling party to the telephone call established between the
9 first receiving party and the party identified by said telephone number.

1 Claim 9 (original): The method of claim 8, wherein the party identified by said
2 telephone number is the second receiving party.

1 Claim 10 (original): The method of claim 1, wherein the step of transmitting call
2 related data to the second computer includes:

3 operating a server to receive a telephone number from the first
4 receiving party;

5 operating the server to look-up an address of the second computer
6 from the received telephone number; and

7 generating a message to the second computer including said address
8 and said call related data.

1 Claim 11 (original): The method of claim 10, further comprising the step of:
2 transmitting the generated message to the second computer using a
3 communications network which supports Internet Protocol communications.

1 Claim 12 (original): The method of claim 10, further comprising, prior to operating
2 the server to receive said telephone number:

3 operating a telephone switch coupled to the first telephone device to
4 transmit said telephone number to a service control point; and

5 operating the service control point to transmit said telephone number
6 to the server.

1 Claim 13 (original): The method of claim 12, wherein the step of establishing a voice
2 connection between the calling party and the second telephone device includes:
3 operating the service control point to control the telephone switch to
4 initiate a telephone call to the second telephone device using said telephone number.

1 Claim 14 (original): The method of claim 13, wherein the step of establishing a voice
2 connection between the calling party and the second telephone device includes:
3 operating the telephone switch to initiate a telephone call to the second
4 telephone device using said telephone number.

1 Claim 15 (original): The method of claim 1, wherein the step of establishing a voice
2 connection between the calling party and the second telephone device includes:
3 determining the status of a telephone line coupled to the second
4 telephone device.

1 Claim 16 (currently amended): The method of claim 15, wherein the step of
2 determining the status of the telephone line includes:
3 operating a ~~serve~~ server to determine the status of said telephone line
4 from the second computer, the second computer being coupled to the second
5 telephone device.

1 Claim 17 (original): The method of claim 1, wherein the step of determining the
2 status of the telephone line includes:
3 operating a service control point to send a monitor for change message
4 to a telephone switch; and
5 operating the service control point to receive telephone line status
6 information in response to the monitor for change message.

1 Claim 18 (previously presented): A communications method, the communications
2 method comprising:
3 setting a hook flash mid-call trigger at a telephone switch on a telephone line;
4 receiving a first telephone number over said telephone line; and
5 in response to the hook flash mid-call trigger being activated, sending
6 the first telephone number to a service control point;
7 operating the service control point to transmit a monitor for change
8 message including said first telephone number to a the telephone switch, the monitor
9 for change message including a first telephone number;
10 operating the telephone switch to determine the status of a telephone
11 line corresponding to the first telephone number; and

12 controlling the telephone switch to perform a call routing operation as
13 a function of the determined telephone line status.

1 Claim 19 (original): The method of claim 18, wherein the step of controlling the
2 telephone switch includes:
3 establishing a call using the first telephone number if it is determined
4 that the telephone line corresponding to the first telephone number is not busy.

1 Claim 20 (original): The method of claim 19, further comprising:
2 operating a server to transmit call related data to a computer identified
3 as being associated with the first telephone number.

1 Claim 21 (original): The method of claim 18, further comprising the step of:
2 operating the telephone switch to supply the determined line status to a
3 service control point; and
4 wherein the step of controlling the telephone switch to perform a call
5 routing operation includes:

6 operating the service control point to provide a second
7 telephone number to the telephone switch to be used in said call
8 routing operation if the determined line status indicates that said
9 telephone line is busy.

1 Claim 22 (original): The method of claim 21, wherein the step of controlling the
2 telephone switch to perform a call routing operation further includes:
3 operating the service control point to receive the second telephone
4 number from a server including automated call distribution functionality.

1 Claim 23 (original): The method of claim 22, further comprising:

2 operating said server to transmit call related data to a computer
3 identified as being associated with the second telephone number.

1 Claims 24-26 (canceled):

1 Claim 27 (previously presented): The method of claim 18, further comprising the
2 step of:
3 operating the service control point to transmit the first telephone
4 number to a server; and
5 operating the server to transmit call related data to a computer
6 associated with the first telephone number.

1 Claim 28 (previously presented): The method of claim 19, further comprising the
2 step of:
3 operating the service control point to transmit the first telephone
4 number to a server; and
5 operating the server to transmit call related data to a computer
6 associated with the first telephone number.

1 Claim 29 (previously presented): A communications system, comprising:
2 a service control point including instructions to transmit a monitor for
3 change message to a telephone switch, the monitor for change message including a
4 first telephone number and including instructions to control initiation of a call as a
5 function of telephone line status information received in response to the monitor for
6 change message; and
7 a telephone switch including:
8 i) an AIN hook flash mid-call trigger set on a telephone line;
9 and

1 Claim 30 (canceled):

1 Claim 31 (original): The communication system of claim 29, wherein the instructions
2 to transmit a monitor for change message are stored in a call processing record.

1 Claim 32 (original): The communications system of claim 29, further comprising:
2 a server including automated call distribution functionality coupled to
3 said service control point.

1 Claim 33 (original): The communications system of claim 32, further comprising:
2 a first computer system coupled to the server by a network which
3 supports Internet Protocol communications; and
4 a first telephone device coupled to said telephone switch and said first
5 computer system, the computer system including a telephone application
6 programming interface for interfacing with said first telephone device.

1 Claim 34 (original): The communications system of claim 33, further comprising:
2 a second computer system coupled to the server by said network which
3 supports Internet Protocol communications; and
4 a second telephone device coupled to said telephone switch and said
5 first computer system, the computer system including a telephone application
6 programming interface for interfacing with said second telephone device.

1 Claim 35 (original): The communications system of claim 34, wherein the server
2 includes a database for each of a plurality of telephone service subscribers, the
3 database including for each telephone service subscriber, a telephone number
4 associated with a telephone device used by the service subscriber and a
5 communications address which can be used to communicate with a computer system
6 used by said service subscriber.

1 Claim 36 (original): The communications system of claim 35, wherein the service
2 control point further includes a call processing record for a plurality of the telephone
3 service subscribers for which information is stored in the server database.

1 Claim 37 (original): A communications system including:
2 a server including information on a plurality of telephone service
3 subscribers, the information for each of the plurality of telephone service subscribers
4 including a telephone number associated with the telephone service subscriber and a
5 communications address corresponding to a computer used by the telephone service
6 subscriber;
7 a service control point including a call processing record for each of at
8 least some of the plurality of telephone service subscribers for which information is
9 stored in the server, the service control point being coupled to the server by a first
10 communications network; and
11 a telephone switch coupled to the service control point and to at least
12 one telephone device associated with a telephone service subscriber, the telephone
13 switch having a hook flash mid-call trigger set on at least one telephone line
14 associated with a telephone service subscriber for which information is stored in said
15 server.

1 Claim 38 (original): The communications system of claim 37, wherein at least one of
2 the call processing records stored in said service control point includes instructions

3 for sending a monitor for change message to said telephone switch in response to
4 receiving a message from said telephone switch indicating that the hook flash mid-
5 call trigger was activated.

1 Claim 39 (original): A communications system, the communications system
2 including:

3 a telephone switch having a hook flash midcall trigger set on a
4 telephone line; and

5 a service control point coupled to the telephone switch, the service
6 control point including a call processing record, the call processing record including
7 instructions to send a monitor for change message to said telephone switch in
8 response to the service control point receiving a message from said telephone switch
9 that was generated in response to activation of said hook flash midcall trigger.

1 Claim 40 (original): The communication system of claim 39, further comprising:

2 a server including a routine for sending call related information to a
3 computer system associated with a telephone number; and

4 wherein the call processing record in said service control point further
5 includes instructions for controlling the service control point to transmit a telephone
6 number, included in said message from said telephone switch, to said server.

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